

**FVC**

DA October 12, 1990  
 SEE Filtered Vented Containment  
 SO Acronyms

**FW**

DA October 12, 1990  
 SEE Feedwater  
 SO Acronyms

**FWA**

DA October 12, 1990  
 SEE Flow Weighted Average (Delta T)  
 SO Acronyms

**FY**

DA October 12, 1990  
 SEE Fiscal Year  
 SO Acronyms

**FZ**

DA October 12, 1990  
 SEE Flow Zone  
 SO Acronyms

**F<sub>2</sub>**

DA October 12, 1990  
 SEE Fluorine  
 SO Acronyms

**G-M**

DA October 12, 1990  
 SEE Geiger-Mueller Counters  
 SO Acronyms

**G-O-S**

(NFI)  
 DA October 12, 1990  
 SO Nuclear Facilities Incident Database  
 DEF (NFI) Gang control - off - Single control.

**G/T**

DA October 12, 1990  
 SEE Activity per Ton  
 SO Acronyms

**gal**

DA October 12, 1990  
 SEE gallon  
 SO Acronyms

**GALLERY**

(1700 GALLERY)  
 DA December 10, 1990  
 BT1 Site (DOE FRASE Vocabulary)  
 BT2 Sites/Areas  
 SO DOE FRASE VOCABULARY

**GALLON**

DA January 8, 1991  
 SF gal  
 BT1 Units of Measure

**GAME FISH**

(EPA)  
 DA October 12, 1990

**BT1 Fish**

BT2 Animals  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Species like trout, salmon, or bass, caught for sport. Many of them show more sensitivity to environmental change than "rough" fish.

**GAMMA RADIATION**

(EPA)  
 DA October 12, 1990  
 SY Gamma Rays  
 BT1 Ionizing Radiation  
 BT2 Radiation  
 RT Radioactive Decay  
 RT X-rays  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Gamma rays are true rays of energy in contrast to alpha and beta radiation. The properties are similar to x rays and other electromagnetic waves. They are the most penetrating waves of radiant nuclear energy but can be blocked by dense materials such as lead.

**GAMMA RAYS**

(EPA; NIH; NCRP; EMER)  
 DA October 12, 1990  
 SY Gamma Radiation  
 RT Half Value Layer (Half Thickness)  
 SO Emergency Preparedness  
 SO Radiation  
 DEF (NIH) Very penetrating electromagnetic radiation of nuclear origin. Except for origin, identical to x-rays. (NCRP) Electromagnetic radiation frequently accompanying alpha and beta emissions as radioactive materials decay.

**GANG TEMPERATURE MONITOR**

(NFI)  
 DA October 12, 1990  
 SF GTM  
 BT1 Monitors  
 BT2 Equipment  
 RT Gangs  
 SO Radiation  
 DEF (NFI) Activates explosive valves on the SSS.

**GANGS**

(NFI)  
 DA October 12, 1990  
 BT1 Control Rod(s)  
 BT2 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)  
 BT3 Equipment  
 BT3 Reactor Components  
 RT Gang Temperature Monitor  
 SO Nuclear Facilities Incident Database  
 SO Radiation  
 DEF (NFI) Associated groups of control

rods symmetrically positioned throughout the reactor lattice.

**GARAGE**

(1780 GARAGE)  
 DA December 10, 1990  
 BT1 Building (DOE FRASE Vocabulary)  
 BT2 Facilities and Buildings (DOE FRASE Vocabulary)  
 BT3 Facilities  
 RT Maintenance Area  
 RT Maintenance Shop  
 RT Mechanic/Repairer  
 RT Parking Space  
 RT Parking Lot  
 RT Vehicle Service Area  
 RT Vehicle Maint/Repair Activity  
 SO DOE FRASE VOCABULARY

**GAS CENTRIFUGE ENRICHMENT PLANT**

DA January 8, 1991  
 SF GCEP  
 BT1 Facilities

**GAS VOLUME RATIO**

(NFI)  
 DA October 12, 1990  
 SF GVR  
 BT1 Ratios  
 SO Radiation  
 DEF (NFI) Limiting value for lithium target irradiation.

**GASEOUS DIFFUSION PLANT**

DA January 8, 1991  
 SF GDP  
 BT1 Facilities  
 DEF (NRC Glossary of Terms: Nuclear Power and Radiation) A nuclear power plant using a method of isotopic separation based on the fact that gas atoms or molecules with different masses will diffuse through a porous barrier (or membrane) at different rates. This method is used to separate uranium-235 from uranium-238; it requires large gaseous diffusion plants and enormous amounts of electric power.

**GASES**

DA February 25, 1991  
 NT1 Atmosphere Gases  
 NT1 Carbon Dioxide  
 NT1 Carbon Monoxide  
 NT1 Compressed Gases  
 NT2 Compressed Gases in Solution  
 NT2 Flammable Compressed Gases  
 NT2 Liquefied Compressed Gases  
 NT2 Non-Flammable Compressed Gases  
 NT2 Non-Liquefied Compressed Gases  
 NT1 Exhaust Gases  
 NT1 Flue Gases  
 NT2 Condenser Stack Gases  
 NT1 Methane  
 NT1 Natural Gas

NT2 Field Gases  
 NT2 Natural Gas Liquids  
 NT1 Nitrogen Oxides (NO<sub>x</sub>)  
 NT2 Nitric Oxides  
 NT2 Nitrogen Dioxide (NO<sub>2</sub>)  
 NT1 Process Gas  
 NT1 Soil Gas  
 NT1 Stack Gases

**GASIFICATION**

(EPA)  
 DA October 12, 1990  
 BT1 Processes  
 RT Coal  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) Conversion of solid material such as coal into a gas for use as a fuel.

**GAT**

DA October 12, 1990  
 SEE Goodyear Atomic Corporation  
 SO Acronyms

**GATHERING LINES**

(SWDA; RCRA; CFR)  
 DA October 12, 1990  
 RT Oils  
 RT Pipeline Facilities  
 SO Wastes  
 DEF (CFR) Pipelines, equipment, facilities, or buildings used in the transportation of oil or gas during oil or gas production or gathering operations.

**GAUGE(S)**

(2753 GAUGE)  
 DA January 3, 1991  
 BT1 Instrument(s)  
 BT2 Equipment/Parts - Instrumentation/Measuring (DOE FRASE Voc.)  
 BT3 Equipment  
 NT1 Scale(s)  
 NT1 Straight Edge Ruler  
 NT1 Thermostat(s)  
 NT1 Time Clock  
 SO DOE FRASE VOCABULARY

**GCEP**

DA October 12, 1990  
 SEE Gas Centrifuge Enrichment Plant  
 SO Acronyms

**GDC**

DA June 4, 1991  
 SEE General Design Criteria  
 SO Acronyms

**GDC PLANNING BOARD**

(DOE Order 6430.1A)  
 DA October 12, 1990  
 BT1 Boards  
 BT2 Administrative Organizations  
 BT3 Organizations  
 RT Construction Projects

SO Construction  
 DEF (DOE Order 6430.1A) The DOE advisory group of major Headquarters and field organizations involved in the construction of facility acquisitions, which includes those organizations having planning, design, construction, environmental, safety and health, research, operations, and maintenance functions.

**GDP**

DA October 12, 1990  
 SEE Gaseous Diffusion Plant  
 SO Acronyms

**GE**

DA October 12, 1990  
 SEE General Electric  
 SO Acronyms

**GEIGER COUNTERS**

(EPA)  
 DA October 12, 1990  
 SY Geiger-Mueller Counters  
 BT1 Radiation Detectors  
 BT2 Equipment  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) Electrical devices that detect the presence of certain types of radioactivity.

**GEIGER-MUELLER COUNTERS**

(NIH)  
 DA October 12, 1990  
 SY Geiger Counters  
 SF G-M  
 BT1 Radiation Detectors  
 BT2 Equipment  
 SO Radiation  
 DEF (NIH) Highly sensitive gas-filled detectors and associated circuitry used for radiation detection and measurement.

**GENE LIBRARY**

(EPA)  
 DA October 12, 1990  
 RT Genes  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) A collection of DNA fragments from cells or organisms. So far, no simple way for sorting the contents of gene libraries has been devised. However, DNA pieces can be moved into bacterial cells where sorting according to gene function becomes feasible.

**GENERAL DESIGN CRITERIA**

(DOE Order 6430.1A)  
 DA June 4, 1991  
 SF GDC  
 BT1 Requirements  
 RT Project Design Criteria  
 RT Specifications

SO Construction  
 SO Management  
 DEF These criteria ensure that the planning, design and construction of the Department's [DOE] facilities will be performed in a manner that will satisfy all applicable executive orders, federal laws, and regulations.

**GENERAL DESIGN PROCESS**

(MORT)  
 DA April 3, 1991  
 BT1 Administrative Processes  
 BT2 Processes  
 RT Design and Development Plans  
 RT Engineered Safety Features  
 RT Human Factors  
 RT Human Factors Engineering  
 RT Inspection Plans  
 RT Maintenance Plans  
 RT Operational Specifications  
 RT System Safety  
 DEF (MORT) MORT analysis asks: are commonly recognized good engineering practices, including safety, reliability, and quality engineering practices, adequately incorporated into the general design process? Related issues/topics include: code compliance procedures; engineering studies; standardization of parts; design description; acceptance criteria; development and qualification testing; change review procedures; and reliability and quality assurance.

**GENERAL ELECTRIC**

DA January 8, 1991  
 SF GE  
 BT1 Companies  
 BT2 Commercial Organizations  
 BT3 Organizations  
 BT1 DOE Contractors  
 BT2 Potentially Responsible Parties  
 RT Albuquerque Operations Office  
 RT Naval Reactors

**GENERAL EMERGENCIES**

(EMER)  
 DA February 1, 1991  
 BT1 Emergencies  
 BT2 Reportable Occurrences  
 BT3 Occurrences  
 SO Emergency Preparedness  
 DEF (EMER) Emergency response levels which represent an event in progress or having occurred that involves actual or imminent substantial reduction of facility safety systems in which off-site releases of radioactive or other hazardous substances are occurring or are expected to occur which exceed protective action guidelines.

**GENERAL ENVIRONMENT**

(ANL; CFR)

DA May 24, 1991

BT1 Environment

RT Radioactive Waste Management

RT Radioactive Wastes

RT Spent Fuel

SO Environmental Management

SO Wastes

DEF (CFR) The total terrestrial, atmospheric, and aquatic environments outside sites within which any activity, operation, or process associated with the management and storage of spent nuclear fuel or radioactive waste is conducted.

**GENERAL PERMITS**

(SWDA; RCRA; CWA; CFR)

DA October 12, 1990

BT1 Permits

SO Environmental Protection Agency Glossary

SO Wastes

SO Water Pollution

DEF Permits applicable to a class or category of dischargers.

**GENERAL PLANT PROJECTS**

(DOE Order 4700.1)

DA January 8, 1991

SF GPP

BT1 Projects

SO Environmental Management

DEF (DOE Order 4700.1) The means by which Congress annually provides funding for miscellaneous construction items which are required during the fiscal year and which cannot be specifically identified beforehand.

**GENERAL PURPOSE FACILITIES PROJECTS**

DA January 24, 1991

BT1 Projects

RT Construction

RT Federal Facilities

SO Environmental Management

DEF (DOE 4700.1) Line item construction estimated to cost greater than 1.2 million and which are required to support long-term administrative and technical needs of DOE-operated laboratories and facilities. Examples of general purpose facilities projects are light or heavy laboratories, administrative offices, machine shops, steam plants, electrical utilities, roads, railroads, and warehouses. Multiprogram general purpose facilities are restricted to general purpose facilities projects at the multiprogram laboratories/site where no one program will use more than approximately 60 percent of the planned facility.

**GENERATORS (POLLUTION)**

(SWDA; RCRA; CFR)

DA October 12, 1990

BT1 Potentially Responsible Parties

NT1 PCB Waste Generator

NT1 Small Quantity Generators

RT Hazardous Waste Generation

SO Environmental Management

SO Environmental Protection Agency Glossary

SO Wastes

SO Water Pollution

DEF (CFR) Facilities or mobile sources that emit pollutants into the air or release hazardous wastes into water or soil. Any person, by site location, whose act or process produces hazardous waste identified or listed in 40 CFR 261.

**GENERIC EXEMPTIONS**

(Doe Order 5480.1B)

DA October 12, 1990

BT1 Exemptions

SO Environmental Management

SO Industrial Hygiene

DEF (DOE Order 5480.1B) Temporary or permanent release from the requirements of this Order or other Orders in the DOE 5480 series, which extends beyond specific facilities and projects or applies to a category of facilities or activities.

**GENERIC SIGNIFICANCE**

(DOE Order 5000.3; ESH)

DA October 12, 1990

RT Unusual Occurrences

SO Environmental Management

SO Management

DEF (DOE Order 5000.3) Those unusual occurrences which by their nature are capable of occurring at more than one specific DOE facility, location, or site.

**GENES**

(EPA)

DA October 12, 1990

RT Gene Library

RT Genetic Engineering

RT Plasmids

SO Environmental Protection Agency Glossary

DEF (EPA) Lengths of DNA that directs the synthesis of a protein.

**GENETIC ENGINEERING**

(EPA)

DA October 12, 1990

BT1 Biological Processes

BT2 Processes

RT Genes

SO Environmental Protection Agency Glossary

DEF (EPA) A process of inserting new genetic information into existing cells in order to modify any

organism for the purpose of changing one of its characteristics.

**GENETIC RADIATION EFFECTS**

(IAEA)

DA October 12, 1990

SY Radiation Induced Hereditary Effects

SY Radiation Induced Genetic Effects

BT1 Effects

RT Ionizing Radiation

RT Irradiation

DEF (IAEA) Inheritable changes, chiefly mutations, produced by the absorption of ionizing radiations. On the basis of present knowledge these effects are purely additive, and there is no recovery.

**GENITALS**

(1118 GENITALS)

DA November 28, 1990

BT1 Human Body Parts

RT Groin

SO DOE FRASE VOCABULARY

**GEOLOGIC REPOSITORIES**

DA January 24, 1991

BT1 Sites/Areas

NT1 Geologic Repository Operations Areas

RT Disposal Facilities

RT Radioactive Waste Management

SO Environmental Management

DEF (CFR) A system which is intended to be used for, or may be used for, the disposal of radioactive wastes in excavated geologic media. A geologic repository includes: (1) The geologic repository operations area and (2) the portion of the geologic setting that provides isolation of the radioactive waste.

**GEOLOGIC REPOSITORY OPERATIONS AREAS**

DA January 31, 1991

BT1 Geologic Repositories

BT2 Sites/Areas

RT Disposal Facilities

RT High-Level Radioactive Wastes

SO Environmental Management

**GEOLOGIC RESOURCES**

(CFR)

DA November 15, 1990

BT1 Natural Resources

NT1 Fossil Fuels

NT2 Coal

NT3 Ultra Clean Coal

NT2 Natural Gas

NT3 Field Gases

NT3 Natural Gas Liquids

NT2 Petroleum

NT1 Uranium

NT2 Depleted Uranium

NT2 Enriched Uranium

NT3 Unirradiated Enriched Uranium

DEF (CFR) Those elements of the

Earth's crust such as soils, sediments, rocks, and minerals, including petroleum and natural gas, that are not included in the definitions of ground and surface water resources.

**GEOMETRY**

(IAEA)

DA October 12, 1990

RT Irradiation

SO Radiation

DEF (IAEA) A term used to designate the arrangement in space of the various components of an irradiation or measuring system. This designation includes positions and relevant parameters of source, detector and any intervening absorber.

**GERMICIDES**

(EPA)

DA October 12, 1990

NT1 Disinfectants

RT Sterilization

SO Environmental Protection Agency Glossary

DEF (EPA) Compounds that kill disease-causing microorganisms.

**GGNS**

DA October 12, 1990

SEE Grand Gulf Nuclear Station

SO Acronyms

**GIDEP**

DA October 12, 1990

SEE Government Industry Data Exchange Program

SO Acronyms

**GJPO**

DA October 12, 1990

SEE Grand Junction Projects Office

SO Acronyms

**GLASS MELTING FURNACES**

(CAA; CFR)

DA October 12, 1990

BT1 Industrial Furnaces

BT2 Facility Components

NT1 Pot Furnaces

RT Cullet

RT Rebrickng

RT Uncontrolled Total Arsenic Emissions

SO Air Pollution

DEF (CFR) Units comprising a refractory vessel in which raw materials are charged, melted at high temperature, refined, and conditioned to produce molten glass. These units include foundations, superstructure and retaining walls, raw material charger systems, heat exchangers, melter cooling systems, exhaust systems,

refractory brick work, fuel supply and electrical boosting equipment, integral control systems and instrumentation, and appendages for conditioning and distributing molten glass to forming apparatuses. The forming apparatuses, including the float bath used in flat glass manufacturing, are not considered part of the glass melting furnace.

**GLOVE(S)**

(2664 GLOVE)

DA January 3, 1991

BT1 Hand Protection

BT2 Personal Protective Equipment

BT3 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)

BT4 Equipment

RT Hand(s)

RT Knuckle(s)

RT Thumb(s)

SO DOE FRASE VOCABULARY

**GLOVE BOX**

(2569 GLOVE BOX)

DA January 3, 1991

BT1 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)

BT2 Equipment

BT2 Reactor Components

SO DOE FRASE VOCABULARY

**GOALS**

(MORT)

DA April 3, 1991

RT Hazard Analysis

RT Risk Assessment

RT Safety Program Reviews

RT Technical Information Systems

SO Management

DEF (WEBSTER) The ends toward which an effort is directed. (MORT) MORT analysis asks: are there high goals for policy and implementation criteria as well as specific goals for projects? are the goals nonconflicting, sufficiently challenging, and consistent with policy and the customer's goals?

**GOCO**

DA June 12, 1991

SEE Government-Owned Contractor-Operated Facilities

SO Acronyms

**GOGGLES**

(2665 GOGGLES)

DA January 3, 1991

BT1 Eye Protection

BT2 Personal Protective Equipment

BT3 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)

BT4 Equipment

RT Eye(s)

SO DOE FRASE VOCABULARY

**GOLF BAGS**

(NFI)

DA October 12, 1990

BT1 Devices

SO Nuclear Facilities Incident Database

SO Radiation

DEF (NFI) Holding devices for fuel assemblies, mounted on D&E conveyors.

**GOODYEAR ATOMIC CORPORATION**

DA January 8, 1991

SF GAT

BT1 Companies

BT2 Commercial Organizations

BT3 Organizations

**GOVERNMENT INDUSTRY DATA EXCHANGE PROGRAM**

DA January 8, 1991

SF GIDEP

BT1 Programs

**GOVERNMENT-OWNED CONTRACTOR-OPERATED FACILITIES**

(ESH)

DA October 12, 1990

SY Atomic Energy Act Facilities

SF GOCO

BT1 Federal Facilities

BT2 Facilities

NT1 Argonne National Laboratory

NT2 Argonne National Laboratory-East (Chicago)

NT2 Argonne National Laboratory-West (At INEL)

NT1 Energy Technology Engineering Center (Canoga Park)

NT1 Feed Materials Production Center

NT1 Idaho Chemical Processing Plant

NT1 Idaho National Engineering Laboratory

NT2 Power Burst Facility

NT1 Inhalation Toxicology Research Institute

NT1 Kansas City Plant

NT1 Lawrence Livermore National Laboratory

NT1 Lawrence Berkeley Laboratory

NT1 Los Alamos National Laboratory

NT1 Nevada Test Site

NT1 Oak Ridge Gaseous Diffusion Plant

NT1 Oak Ridge National Laboratory

NT1 Pacific Northwest Laboratory

NT1 Paducah Gaseous Diffusion Plant (Paducah)

NT1 Portsmouth Gaseous Diffusion Plant

NT1 Rocky Flats Plant

NT1 Sandia National Laboratories

NT2 Sandia National Laboratories-Albuquerque

NT2 Sandia National Laboratories-Livermore

NT1 Savannah River Site

**NT1** Stanford Linear Accelerator Center  
**NT1** Strategic Petroleum Reserve  
**NT1** Waste Isolation Pilot Plant  
**NT1** Y-12 Plant  
**RT** User Agencies  
**SO** Industrial Safety  
**SO** Management  
**DEF** (DOE Order 5483.1A) For the purposes of this Order, facilities owned or leased by DOE or a contractor for the account of DOE in connection with which DOE prescribes and enforces through contractual provisions, occupational safety and health standards pursuant to the authority in the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, and the Department of Energy Organization Act of 1977, for contractor employees working therein. A listing of these GOCO facilities is maintained by the Office of Operational Safety (EP-32).

**GOVERNMENT STANDARDS**

(DOE Order 1300.2; ESH)  
**DA** October 12, 1990  
**BT1** Standards  
**BT2** Codes, Standards, and Regulations  
**RT** Interagency Committee on Standards Policy  
**SO** Management  
**SO** Standards  
**DEF** (DOE Order 1300.2) Federal agency standards and specifications including proposed or recommended standards developed by Federal agency personnel, outside groups under agency regulations, or by organizations or committees made up solely of Government agency representatives.

**GP**

**DA** October 12, 1990  
**SEE** Graphic Panel  
**SO** Acronyms

**GPP**

**DA** October 12, 1990  
**SEE** General Plant Projects  
**SO** Acronyms

**GPU**

**DA** October 12, 1990  
**SEE** Grapper Pick Up  
**SO** Acronyms

**GRADE BEAMS**

(DOE Order 6430.1A)  
**DA** October 12, 1990  
**RT** Reinforcement Ratio  
**SO** Construction  
**DEF** (DOE Order 6430.1A) Reinforced

concrete beams placed directly on the ground to provide the foundation for the superstructure.

**GRADED APPROACH**

(DOE order 4330.4A)  
**DA** June 4, 1991  
**RT** Activities  
**RT** Processes  
**RT** Requirements  
**RT** Specifications  
**SO** Management  
**DEF** (DOE Order 4330.4A) By graded approach, DOE intends that the depth of detail required and the magnitude of resources expended for a particular maintenance management element be tailored to be commensurate with the element's relative importance to safety, environmental compliance, safeguards and security, programmatic importance, an/or other facility-specific requirements.

**GRAIN LOADING**

(EPA)  
**DA** October 12, 1990  
**BT1** Loading  
**BT2** Ratios  
**SO** Environmental Protection Agency Glossary  
**DEF** (EPA) The rate at which particles are emitted from a pollution source. Measurement is made by the number of grains per cubic foot of gas emitted.

**GRAND GULF NUCLEAR STATION**

**DA** January 8, 1991  
**SF** GGNS  
**BT1** Facilities

**GRAND JUNCTION PROJECTS OFFICE**

**DA** January 8, 1991  
**SF** GJPO  
**BT1** Offices  
**BT2** Administrative Organizations  
**BT3** Organizations  
**RT** Projects

**GRANULAR ACTIVATED CARBON TREATMENT**

(EPA)  
**DA** October 12, 1990  
**BT1** Treatment  
**BT2** Waste Management Processes  
**BT3** Processes  
**RT** Activated Carbon  
**SO** Environmental Protection Agency Glossary  
**DEF** (EPA) A filtering system often used in small water systems and individual homes to remove organics. Granular Activated Carbon (GAC) can be highly effective in removing elevated levels of radon from water.

**GRAPHIC PANEL**

**DA** January 8, 1991  
**SF** GP  
**BT1** Devices

**GRAPHITAR(S)**

(2754 GRAPHITAR)  
**DA** January 3, 1991  
**BT1** Instrument(s)  
**BT2** Equipment/Parts - Instrumentation/Measuring (DOE FRASE Voc.)  
**BT3** Equipment  
**SO** DOE FRASE VOCABULARY

**GRAPPER PICK UP**

**DA** January 8, 1991  
**SF** GPU  
**BT1** Devices

**GRATE SIFTINGS**

**DA** January 24, 1991  
**SO** Environmental Management  
**DEF** (CFR) "Grate siftings" means the materials that fall from the solid waste fuel bed through the grate openings.

**GRAY**

(NCRP)  
**DA** October 12, 1990  
**BT1** Radiation Units  
**BT2** Units of Measure  
**RT** Absorbed Dose  
**RT** Kerma  
**SO** Radiation  
**DEF** (NCRP) The unit of absorbed dose. 1 Gy = 1 Joule/kg.

**GRAY WATER**

(EPA)  
**DA** October 12, 1990  
**BT1** Wastewater  
**BT2** Wastes  
**BT2** Water  
**SO** Environmental Protection Agency Glossary  
**DEF** (EPA) The term given to domestic wastewater composed of washwater from sinks, kitchen sinks, bathroom sinks and tubs, and laundry tubs.

**GREATER-THAN-CLASS-C**

**DA** January 8, 1991  
**SF** GTCC

**GREEN SLUGS**

(NFI)  
**DA** October 12, 1990  
**SO** Nuclear Facilities Incident Database  
**SO** Radiation  
**DEF** (NFI) Target slugs for which sufficient delay time has not been allowed after irradiation.

**GREENHOUSE EFFECT**

(EPA)

DA October 12, 1990  
 BT1 Effects  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) The warming of the Earth's atmosphere caused by a build-up of carbon dioxide or other trace gases; it is believed by many scientists that this build-up allows light from the sun's rays to heat the Earth but prevents a counterbalancing loss of heat.

**GRENADE LAUNCHERS**

(Doe Order 5480.16)  
 DA October 12, 1990  
 BT1 Firearms  
 RT Flash Grenades  
 RT Smoke Grenades  
 SO Firearms  
 DEF (DOE Order 5480.16) Devices that by means of gas pressure propel a grenade.

**GRENADES**

(HMTA; CFR)  
 DA May 20, 1991  
 BT1 Munitions  
 NT1 Smoke Grenades  
 SO Hazardous Materials  
 DEF (CFR) Grenades, hand or rifle, are small metal or other containers designed to be thrown by hand or projected from a rifle. They are filled with an explosive or a liquid, gas, or solid material such as a toxic or tear gas or an incendiary or smoke producing material and a bursting charge.

**GRINDER PUMPS**

(EPA)  
 DA October 12, 1990  
 BT1 Devices  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Mechanical devices that shred solids and raise the fluid to a higher elevation through pressure sewers.

**GRINDING MACHINE**

(2123 GRINDING MAC)  
 DA December 10, 1990  
 BT1 Machines (DOE FRASE  
 Vocabulary)  
 BT2 Equipment  
 SO DOE FRASE VOCABULARY

**GROIN**

(1117 GROIN)  
 DA November 28, 1990  
 BT1 Trunk  
 BT2 Human Body Parts  
 RT Abdomen  
 RT Genitals  
 RT Thigh(s)  
 SO DOE FRASE VOCABULARY

**GROSS ALPHA PARTICLE ACTIVITY**

(SDWA; CFR; EPA)  
 DA October 12, 1990  
 BT1 Activity (Nuclear)  
 BT2 Measurements  
 RT Alpha Particles  
 RT Radioactivity  
 SO Environmental Protection Agency  
 Glossary  
 SO Water Pollution  
 DEF Total activity due to emission of alpha particles. Used as the screening measurement for radioactivity generally due to naturally occurring radionuclides. Activity is commonly measured in picocuries./ The total radioactivity due to alpha particle emission as inferred from measurements on a dry sample.

**GROSS BETA PARTICLE ACTIVITY**

(SDWA; CFR; EPA)  
 DA October 12, 1990  
 BT1 Activity (Nuclear)  
 BT2 Measurements  
 RT Beta Particles  
 RT Radioactivity  
 SO Environmental Protection Agency  
 Glossary  
 SO Water Pollution  
 DEF Total activity due to emission of beta particles. Used as the screening measurement for radioactivity from man-made radionuclides since the decay products of fission are beta particle and gamma ray emitters. Activity is commonly measured in picocuries./ The total radioactivity due to beta particle emission as inferred from measurements on a dry sample.

**GROSS WEIGHT**

(SWDA; RCRA; ESH)  
 DA October 12, 1990  
 BT1 Measurements  
 RT Net Weight  
 SO Hazardous Materials  
 DEF Weight of a packaging plus the weight of its contents.

**GROUND**

(1609 GROUND;N)  
 DA December 10, 1990  
 BT1 Site (DOE FRASE Vocabulary)  
 BT2 Sites/Areas  
 SO DOE FRASE VOCABULARY

**GROUND CRACKS**

(USGS)  
 DA October 12, 1990  
 RT Faults  
 RT Ground Failures  
 RT Tectonic Deformations  
 SO Natural Phenomenon  
 DEF (USGS) Induced by earthquake ground shaking and are a principal

cause of damage and casualties.  
 A partial or incomplete fracture.

**GROUND CREWS**

(Doe Order 5480.13)  
 DA October 12, 1990  
 BT1 Personnel  
 RT Aviation Operations  
 SO Aviation Safety  
 DEF (DOE Order 5480.13) All personnel assigned to aviation operations other than flight crewmembers and administrative personnel.

**GROUND FAILURES**

(USGS)  
 DA October 12, 1990  
 BT1 Failures  
 BT2 Accidents  
 BT1 Liquefaction  
 BT2 Processes  
 NT1 Differential Settlement  
 NT1 Flow Failures  
 NT1 Landslides  
 NT1 Lateral Spreads  
 RT Faults  
 RT Ground Cracks  
 RT Tectonic Deformations  
 SO Natural Phenomenon  
 DEF (USGS) Include landslides, lateral spreads, differential settlements, and ground cracks.

**GROUND FAULT INTERRUPTER(S)**

(2396 GFI)  
 DA January 3, 1991  
 BT1 Equipment/Parts - Electrical (DOE  
 FRASE Vocabulary)  
 BT2 Equipment  
 SO DOE FRASE VOCABULARY

**GROUNDCOVERS**

(EPA)  
 DA October 12, 1990  
 RT Erosion  
 RT Plants  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Plants grown to keep soil from eroding.

**GROUNDS MAINTENANCE ACTIVITY**

(1234 GM ACTIVITY)  
 DA November 28, 1990  
 BT1 Activity Types (DOE FRASE  
 Vocabulary)  
 BT2 Activities  
 BT1 Maintenance  
 BT2 Activities  
 RT Groundskeeper  
 SO DOE FRASE VOCABULARY

**GROUNDSKEEPER**

(0562 GROUNDSKEEPE)  
 DA November 28, 1990  
 BT1 Agriculture Personnel  
 BT2 Occupations  
 BT2 Personnel

RT Grounds Maintenance Activity  
SO DOE FRASE VOCABULARY

# GROUNDWATER

(SWDA; CERCLA; SDWA; CFR; USC)

DA October 12, 1990

BT1 Water

NT1 Capillary Water

NT1 Groundwater Resources

RT Aquifers

RT Hydrogeologic Units

RT Leachates

RT Run-off

RT Saturated Zones

RT Significant Source of Groundwater

RT Soils

RT Special Source of Ground Water

RT Surface Waters

RT Underground Sources of Drinking Water

RT Water Table

SO Compensation and Liability

SO Environmental Management

SO Environmental Protection Agency Glossary

SO Wastes

SO Water Pollution

DEF (CFR) The supply of fresh water found beneath the Earth's surface, usually in aquifers, which is often used for supplying wells and springs. Because groundwater is a major source of drinking water there is growing concern over areas where leaching agricultural or industrial pollutants or substances from leaking underground storage tanks are contaminating groundwater.

# GROUNDWATER RESOURCES

(CFR)

DA November 15, 1990

BT1 Groundwater

BT2 Water

BT1 Natural Resources

DEF (CFR) Water in saturated zones or strata beneath the surface of land or water and the rocks or sediments through which ground water moves. Includes ground water resources that meet the definition of drinking water supplies.

# GROUPS

DA February 1, 1991

BT1 Administrative Organizations

BT2 Organizations

NT1 Accident Response Groups

NT1 Carcinogen Risk Assessment

Verification Endeavor Workgroup

NT1 Emergency Management

Coordination Committee

Secretariat

NT1 Interagency Group on Energy

Vulnerability

NT1 Purchasing Group

NT1 Reactor Materials Control Group

NT1 Risk Retention Group

NT1 Standards-developing Groups

NT1 State and Tribal Government Working Group

RT Boards

RT Centers

RT Committees

RT Offices

SO Management

DEF (WEBSTER) Consisting of individuals assembled together through some unifying relationship or purpose.

# GROUT TREATMENT FACILITY

DA January 8, 1991

SF GTF

BT1 Treatment Facilities

BT2 Facilities

# GTCC

DA October 12, 1990

SEE Greater-Than-Class-C

SO Acronyms

# GTF

DA October 12, 1990

SEE Grout Treatment Facility

SO Acronyms

# GTM

DA October 12, 1990

SEE Gang Temperature Monitor

SO Acronyms

# GUARANTORS

(CERCLA; USC)

DA October 12, 1990

RT Operators

RT Owners

SO Compensation and Liability

DEF Persons, other than the owner or operator, who provide evidence of financial responsibility for an owner or operator under CERCLA.

# GUARD STATION

(1781 GUARD STATION)

DA December 10, 1990

BT1 Building (DOE FRASE Vocabulary)

BT2 Facilities and Buildings (DOE FRASE Vocabulary)

BT3 Facilities

BT1 Station

BT2 Site (DOE FRASE Vocabulary)

BT3 Sites/Areas

RT Plant Protection System

RT Security Guard

SO DOE FRASE VOCABULARY

# GUARDS

(Doe Order 5480.16)

DA October 12, 1990

BT1 Protective Force Personnel

BT2 Personnel

RT Security

SO Firearms

DEF (DOE Order 5480.16) For the purpose of DOE Order 5480.16,

unarmed Departmental contractor individuals who are employed for, and charged with, the protection of classified matter or Government property.

# GUIDE SPECIFICATIONS

DA January 24, 1991

BT1 Specifications

BT2 Requirements

RT Contract Specifications

RT Project Design Criteria

SO Environmental Management

DEF (CFR) "Guide specification" means a general specification—often referred to as a design standard or design guideline— which is a model standard and is suggested or required for use in the design of all of the construction projects of an agency.

# GUIDELINES

(SSDC)

DA October 12, 1990

NT1 Control Technique Guidelines

NT1 Effluent Limitation Guidelines

NT1 NEPA Compliance Guides

NT1 Protective Action Guides

NT1 Safety Guides

RT Codes, Standards, and Regulations

RT Recommendations

SO System Safety Development Center Glossary

DEF (SSDC) DOE or other government agency outlines or directions on how to conduct or control some program. As an example, DOE issues guidelines on keeping personnel radiation exposures "As Low as Reasonably Achievable." Guidelines normally do not have the legal impact of regulations, orders, etc.

# GUST FRONTS

(SMRP)

DA October 12, 1990

BT1 Divergent Windstorms

BT2 Act of Nature

RT Inflow

SO Natural Phenomenon

DEF (SMRP) Lines of gusty wind moving out from a squall line or an area of severe thunderstorms. A gust front extends tens of miles parallel to the line of thunderstorms. At the leading age of a gust front, wind direction shifts abruptly from toward the storm (inflow) to away from the storm (outflow). The gustiness factor, the ratio of the total range of windspeed between gusts and lulls divided by the mean windspeed, is very large in gust front, often reaching 0.5 to 0.7. Peak gusts are usually less than F2 (113 mph).

**GVR**

DA October 12, 1990  
 SEE Gas Volume Ratio  
 SO Acronyms

**H**

DA October 12, 1990  
 SEE Dose Equivalents  
 SO Acronyms

**H&SM**

DA October 12, 1990  
 SEE Health and Safety Manual,  
 PUB-3000  
 SO Acronyms

**HABITATS**

(EPA)  
 DA October 12, 1990  
 NT1 Critical Habitats  
 NT2 Proposed Critical Habitats  
 NT1 Riparian Habitats  
 NT1 Wildlife Refuges  
 NT2 Manatee Refuges  
 RT Environment  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) The places where a  
 population (e.g., human, animal,  
 plant, microorganism) lives and its  
 surroundings, both living and  
 nonliving.

**HACK SAW**

(3033 HACK SAW)  
 DA January 3, 1991  
 BT1 Saws  
 BT1 Tools - Manual  
 BT2 Tools (DOE FRASE Vocabulary)  
 BT3 Equipment  
 SO DOE FRASE VOCABULARY

**HAIR**

(1076 HAIR)  
 DA November 28, 1990  
 BT1 Skin  
 BT2 Human Body Parts  
 RT Scalp  
 SO DOE FRASE VOCABULARY

**HALF-LIFE**

(EPA; EMER)  
 DA October 12, 1990  
 BT1 Time Designations  
 NT1 Biological Half-Life  
 NT1 Effective Half-Life  
 NT1 Radioactive Half-Life  
 SO Emergency Preparedness  
 SO Environmental Protection Agency  
 Glossary  
 SO Radiation  
 DEF (EPA) (1) The time required for a  
 pollutant to lose half its affect on  
 the environment. For example, the  
 half-life of DDT in the environment  
 is 15 years, of radium, 1,580  
 years. (2) The time required for  
 half of the atoms of a radioactive  
 element to undergo decay. (3) The

time required for the elimination of  
 one half a total dose from the  
 body.

**HALF VALUE LAYER (HALF THICKNESS)**

(NIH)  
 DA October 12, 1990  
 BT1 Measurements  
 RT Gamma Rays  
 RT X-rays  
 SO Radiation  
 DEF (NIH) The thickness of any  
 specified material necessary to  
 reduce the intensity of an x-ray or  
 gamma-ray beam to one-half its  
 original value.

**HALOCARBONS**

(CAA)  
 DA November 15, 1990  
 BT1 Halogenated  
 RT Stratosphere  
 SO Environmental Management  
 DEF (USC) The chemical compounds  
 $\text{CF}_2\text{Cl}_2$  and  $\text{CFCl}_3$  and such other  
 halogenated compounds as the  
 Administrator determines may  
 reasonably be anticipated to  
 contribute to reductions in the  
 concentration of ozone in the  
 stratosphere (42 USC 7452).

**HALOGENATED**

(DOE Order 6430.1A)  
 DA October 12, 1990  
 NT1 Halocarbons  
 NT1 Halogenated Organic Compounds  
 NT2 Chlorinated Hydrocarbons  
 NT3 Chlorofluorocarbons (CFCs)  
 NT3 DDT  
 NT3 Heptachlor  
 NT3 Polychlorinated Biphenyls  
 NT4 High Concentration PCBs  
 NT4 Low Concentration PCBs  
 NT4 Recycled PCBs  
 NT3 Polyvinyl Chloride  
 NT3 Trichloroethylene (TCE)  
 NT3 Vinyl Chloride  
 NT2 Fluorocarbons  
 NT3 Chlorofluorocarbons (CFCs)  
 NT2 Trihalomethane  
 SO Construction  
 DEF (DOE Order 6430.1A) Compounds  
 that contain a halogen element  
 (i.e., fluorine, chlorine, bromine or  
 iodine).

**HALOGENATED ORGANIC COMPOUNDS**

(SWDA; RCRA)  
 DA October 12, 1990  
 SF HOCs  
 BT1 Halogenated  
 BT1 Organic Chemicals  
 BT2 Chemical Substances  
 NT1 Chlorinated Hydrocarbons  
 NT2 Chlorofluorocarbons (CFCs)  
 NT2 DDT

**NT2 Heptachlor**

NT2 Polychlorinated Biphenyls  
 NT3 High Concentration PCBs  
 NT3 Low Concentration PCBs  
 NT3 Recycled PCBs  
 NT2 Polyvinyl Chloride  
 NT2 Trichloroethylene (TCE)  
 NT2 Vinyl Chloride  
 NT1 Fluorocarbons  
 NT2 Chlorofluorocarbons (CFCs)  
 NT1 Trihalomethane  
 RT Agent Orange  
 RT Ethylene Dibromide  
 SO Environmental Management  
 SO Wastes  
 DEF (CFR) Those compounds having a  
 carbon-halogen bond.

**HALOGENS**

(SDWA; CFR)  
 DA October 12, 1990  
 SO Environmental Protection Agency  
 Glossary  
 SO Water Pollution  
 DEF (EPA) Any of a group of 5  
 chemically-related nonmetallic  
 elements that includes bromine,  
 fluorine, chlorine, iodine, and  
 astatine.

**HALON SYSTEM**

(2035 HALON SYSTEM)  
 DA December 10, 1990  
 BT1 Systems (DOE FRASE Vocabulary)  
 BT2 Systems  
 SO DOE FRASE VOCABULARY

**HALONS**

(EPA)  
 DA October 12, 1990  
 RT Fire Protection  
 RT Ozone Depletion  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Bromine-containing  
 compounds with long atmospheric  
 lifetimes whose breakdown in the  
 stratosphere cause depletion of  
 ozone. Halons are used in fire  
 fighting.

**HAMMER**

(3034 HAMMER)  
 DA January 3, 1991  
 BT1 Tools - Manual  
 BT2 Tools (DOE FRASE Vocabulary)  
 BT3 Equipment  
 NT1 Sledgehammer(s)  
 SO DOE FRASE VOCABULARY

**HAMMERMILLS**

(EPA)  
 DA October 12, 1990  
 BT1 Machines (DOE FRASE  
 Vocabulary)  
 BT2 Equipment  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) High-speed machines that